

ABSTRACT OF THE DISCLOSURE

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3 A flexible clip applier includes a flat wire wound tubular
4 coil, a pair of jaws at the end of the coil, end effector wires
5 extending through the coil and coupled to the jaws, and a clip-
6 advancing wire extending through the coil. A clip chamber is
7 defined in the distal end of the coil. A clip pusher is provided
8 at a distal end of the clip-advancing wire, and advances a clip
9 into the jaws when the clip-advancing wire is moved distally. The
10 jaws include channels in which a distalmost clip rides when the
11 jaws are closed and the pusher is advanced, thereby causing the
12 distalmost clip to be pushed over the tissue, and a distal anvil
13 which operate to bend a portion of the clip to facilitate its
14 retention on the clamped tissue. The device can push a clip with
15 a force in excess of 1500 grams.